

CLAIMS

1. Process for controlling at least two groups of antennas (4, 6) according to which a coded signal (26) is emitted by a first group of antennas (4) whilst the antennas of a second group (6) emit a residual signal (28) similar to the coded signal but of lesser amplitude, the coding used being such that the coded signal has dead time, characterized in that a parasitic signal (34) is sent to the second group of antennas (6) during dead time of the coded signal sent to the first group of antennas (4).

2. Control process according to claim 1, characterized in that the amplitude of the parasitic signal corresponds substantially to the amplitude of the residual signal.

3. Control process according to claim 2, characterized in that a gain control device (42) limits the power of the emitted parasitic signal.

4. Control process according to one of claims 1 to 3, characterized in that the signal emitted by the first group of antennas (4) is an amplitude modulated coded signal.

5. Control process according to one of claims 1 to 4, characterized in that the sending of the parasitic signal to the antennas of the second group of antennas (6) is effected by an analogic multiplexer (10) which selects the second group of antennas (6) during dead time of the coded signal sent to the first group of antennas (4).

6. Control device comprising means (10) to send alternatively a coded signal to several groups of antennas, the coding used being such that the coded signal has dead time,

5 characterized in that means are provided to send a parasitic signal to a second group of antennas (6) when a coded signal is sent to a first group of antennas (4), the parasitic signal being sent to the antennas of the second group during dead time of the signal sent to the first
10 group of antennas.

7. Control device according to claim 6, characterized in that an analogic multiplexer (10) selects the group of antennas to which a signal is sent.

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8. Control device according to one of claims 6 or 7, characterized in that a gain control device (42) limits the power of the emitted parasitic signals.

20 9. Control device according to one of claims 6 to 8, characterized in that it moreover comprises at least one linear amplifier (12) per group of antennas to amplify the coded signal before sending it to the corresponding antennas.

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10. System for hands-free access to a vehicle, comprising at least two groups of antennas (4, 6), an electronic identification card as well as control electronics, characterized in that it moreover comprises a
30 control device according to one of claims 6 to 9.